

What is claimed is:

1. A cleaning processing method characterized by:

installing a plurality of processing units for processing at least one object-to-be-processed with a plurality of kinds of processing liquids, and enabling the same kind of a processing liquid to be supplied to at least two processing units of the plurality of the processing units;

upon making processing by successively introducing objects-to-be-processed each of which has its own processing sequence into a plurality of processing units, choosing one or more of the processing units into which an object to be firstly processed is carried, by checking a processing sequence of an object to be processed afterwards so as to shorten a whole processing time of the objects-to-be-processed being judged.

2. The cleaning processing method according to claim 1 wherein:

one or more processing units into which the object to be processed afterwards is carried are chosen by checking the processing sequence of the object to be processed afterward so as to shorten the whole processing time of the objects-to-be-processed being judged, and then one or more processing units into which the object to be firstly processed is carried are chosen out of the processing units excluding said one or more processing units which have been already chosen.

3. The cleaning processing method according to claim 1 wherein:

the processing sequence of the object to be firstly processed is compared with the processing sequence of the object to be processed afterwards, one or more processing units for the object-to-be-processed having more processing steps to be carried into are chosen, and

then one or more processing units for the object-to-be-processed having less processing steps to be carried into are chosen.

4. The cleaning processing method according to claim 1 wherein:

the processing sequence of the object to be firstly processed is compared with the processing sequence of the object to be processed afterwards, one or more processing units for the object-to-be-processed requiring more kinds of chemical liquids to be carried into are firstly chosen, and then one or more processing units for the object-to-be-processed requiring less kinds of chemical liquids to be carried into are chosen.

5. The cleaning processing method according to claim 1 characterized by:

choosing one or more processing units for the object to be firstly processed to be carried into before the object to be firstly processed starts to be carried.

6. The cleaning processing method according to claim 1 characterized by:

washing off the chemical liquids staying on the object-to-be-processed after processing one after another with a rinsing liquid, and then drying the object-to-be-processed.

7. A cleaning processing apparatus comprising:

a plurality of processing units for processing an object-to-be-processed with a plurality of kinds of processing liquids, the same kind of a processing liquid being capable of being supplied to at least two of the plurality of processing units;

a controller for, upon successively introducing objects-to-be-processed each having its own processing sequence into a plurality of processing units, checking the processing sequence of the object to be processed

139
57R
7-12
PCA-7.

afterwards to choose one or more of the plurality of the processing units into which an object to be firstly processed to be carried so that a whole processing time of the objects-to-be-processed being judged can be shortened.

8. The cleaning processing system according to claim 7 wherein:

by checking the processing sequence of the object to be processed afterwards, said controller chooses one or more processing units into which the object to be processed afterwards is carried, and then chooses one or more processing units into which the object to be firstly processed is carried out of the processing units excluding said one or more processing units which have been already chosen, so as to shorten a whole processing time of the objects-to-be-processed being judged.

9. The cleaning processing system according to claim 7 wherein:

by comparing the processing sequence of the object to be firstly processed with the processing sequence of the object to be processed afterwards, said controller firstly chooses one or more processing units into which the object-to-be-processed having more processing steps is carried, and then chooses one or more processing units into which the object-to-be-processed having less processing steps is carried.

10. The cleaning processing system according to claim 7 wherein:

by comparing the processing sequence of the object to be firstly processed with the processing sequence of the object to be processed afterwards, said controller firstly chooses one or more processing units into which the object-to-be-processed requiring more kinds of chemical liquids is carried, and then chooses one or more processing units into which the object-to-be-processed

requiring less kinds of chemical liquids is carried.

11. The cleaning processing system according to claim 7 wherein:

chemical liquids are replaceable in one processing tank of each processing unit, in which the objects-to-be-processed are processed.

12. The cleaning processing system according to claim 11 wherein:

chemical liquids can be replaced by a rinsing liquid in one processing tank of each processing unit, in which the objects-to-be-processed are processed.

11/01/2019 10:10:10